

ABSTRACT OF THE DISCLOSURE

The invention is directed to a liquid crystal display and assembly without a contact hole in the reflective layer. By eliminating the contact hole, the overall reflectance of the apparatus is increased. In order to prevent light leakage and afterimage, the invention includes an interface
5 electrode that is strategically positioned over where light leakage occurs. An exemplary device of the invention includes a first electrode, a second electrode, and a liquid crystal layer located between the first electrode and the second electrode. The liquid crystal layer has a reflective region, a transmissive region, and an interface region located between the first region and the second region. The apparatus includes a thin film transistor that is electrically coupled to the
10 second electrode through an electrical coupling in the interface region. The invention also includes a method of making the device.